# Stream Quality Assessment Form Lake County Soil and Water Conservation District

River Mile Stream Sample # Sample # Sample # Sample # Sounty Location Township/City Palicas Mr. Date 9/13/00 Time 10:00  Monitoring Group  Or Individual St. Maria Maria No. of Participants						
Or Individual St Month				No. or Participants		
Riffle Structure Width of Riffle Water Depth Water Temp°C or°F		Chemical Analysis Dissolved O <sub>2</sub> Acidity (pH) Salinity (Cl) Ammonia 0, 2 0000		Coliform sample taken? Yes No #		
Bed Composition of	Riffle (r	nust add up to 100%)			·	
SILT SAND GRAVEL COBBLES BOULDERS (1/4"-2") 15 (2"-10") 63 (>10")						
<b>Descriptions of Wate</b>	r Condit	ions: Special	Notes	4 1		
		freis to	1 0	A1/		
		3 400	*			
MACROINVERTEBRATE TALLY Estimated Count A= 1 to 9						
MACKOINV	EKILD	KAIE IALLI	Lecini	B= 10 to 9	9	
			C= 100 or more			
GROUP 1 TAXA	LTR.	GROUP 2 TAXA	LTR	GROUP 3 TAXA	LTR.	
	Code	,	Code		Code	
Water Penny Larvae	A	Damselfly Nymphs	A	Blackfly Larvae	P*****	
Mayfly Nymphs	*****	Dragonfly Nymphs		Aquatic Worms		
Stonefly Nymphs	<u> </u>	Cranefly Larvae	A	Midge Larvae	2000-200-200	
Dobsonfly Larvae	A	Beetle Larvae	A	Pouch Snails	4	
Caddisfly Larvae	<u> </u>	Crayfish		Leeches	1071	
Riffle Beetle Adult	A	Scuds				
Gill Snails — (open right)	paras and	Clams				
111111111111111111111111111111111111111		Sow Bugs		101110000000000000000000000000000000000		
NUMBER OF TAXA	5	NUMBER OF TAXA	3	NUMBER OF TAXA	)	
(TIMES) INDEX VALUE	15	(TIMES) INDEX VALUE 2	6	(TIMES) INDEX VALUE 1		
Cumulative Stream Quality Assessment						
Index Excellent (> 22) Good (17-22)						
Value Fair (11-16) Poor (<11)						
Please Send this form to: Lake County Soil and Water						
Conservation District 125 East Erie St.						
Painesville OH 44077						

Lake County Soil and Water Conservation District River Mile 6.2 Stream Grand Rive Sample #\_ Location Painesville Rec Part County Township/City Pare 11.00 Date 9/13/64 Time 11.00 Monitoring Group Or Individual St Mark Stade ) \_\_No. of Participants\_S\_\_ Riffle Structure Chemical Analysis Coliform sample taken? Width of Riffle Dissolved O<sub>2</sub> Yes No #\_\_\_\_ Water Depth\_\_\_\_\_ Acidity (pH)\_\_\_\_\_ Water Temp \_\_\_\_°C or \_\_\_\_°F Salinity (CI) O, IDD Results Ammonia Bed Composition of Riffle (must add up to 100%) SILT \_\_\_\_ SAND GRAVEL \_ COBBLES ( --- BOULDERS (1/4''-2'')(2"-10") (>10'')**Descriptions of Water Conditions: Special Notes:** (Year, colorless inderless) MACROINVERTEBRATE TALLY Estimated Count A=1 to 9B = 10 to 99C= 100 or more GROUP 1 TAXA LTR. GROUP 2 TAXA LTR **GROUP 3 TAXA** LTR. Code Code Code Water Penny Larvae Damselfly Nymphs  $\mu$ Blackfly Larvae Mayfly Nymphs Dragonfly Nymphs Aquatic Worms Stonefly Nymphs Cranefly Larvae Midge Larvae Dobsonfly Larvae Beetle Larvae 1 Pouch Snails Caddisfly Larvae Crayfish A Leeches Riffle Beetle Adult Scuds Gill Snails - (open right) Clams Sow Bugs NUMBER OF TAXA NUMBER OF TAXA NUMBER OF TAXA (0 (TIMES) INDEX VALUE (TIMES) INDEX VALUE (TIMES) INDEX VALUE 1 Cumulative Stream Quality Assessment Excellent (> 22) Index Good (17-22) Value Fair (11-16) Poor (<11) Please Send this form to: Lake County Soil and Water Conservation District 125 East Erie St. Painesville OH 44077

# Stream Quality Assessment Form Lake County Soil and Water Conservation Dis

i Monitorina Group		im <u>Grand Rive</u> <u>Rec Park</u> wnship/City <u>Paiwsvi</u>	The_	Sample # Date <u>9 /13 /07</u> TimNo. of Participants_	<u>l</u> e <u>/0;00</u> Д	
Riffle Structure Width of Riffle Dissolved O2 O O C Acidity (pH) Salinity (Cl) Ammonia  Bed Composition of Riffle (must add up to 100%)				Coliform sample taken? Yes No # Results	<u> </u>	
SILT SAND GRAVEL COBBLES BOULDERS (2"-10")  Descriptions of Water Conditions:  Special Notes:						
MACROINVERTEBRATE TALLY  Estimated Count  A= 1 to 9  B= 10 to 99  C= 100 or more					99	
GROUP 1 TAXA	LTR. Code	GROUP 2 TAXA	LTR Code	GROUP 3 TAXA	LTR. Code	
Water Penny Larvae	A	Damselfly Nymphs		Blackfly Larvae	Code	
Mayfly Nymphs		Dragonfly Nymphs		Aquatic Worms	A	
Stonefly Nymphs	BA	Cranefly Larvae	A	Midge Larvae		
Dobsonfly Larvae	B	Beetle Larvae	*Automat	Pouch Snails	A	
Caddisfly Larvae	B	Crayfish	A	Leeches	20000000	
Riffle Beetle Adult		Scuds	Marine.			
Gill Snails — (open right)	Maritan ayalk	Clams	A			
		Sow Bugs	Service Control			
NUMBER OF TAXA	6	NUMBER OF TAXA	3	NUMBER OF TAXA	3	
(TIMES) INDEX VALUE 3	18	(TIMES) INDEX VALUE 2	6	(TIMES) INDEX VALUE 1	3	
Cumulative		Str	eam Ç	uality Assessment		
<i>✓</i>	Index   Fxcellent (> 22)   Good (17-22)				j	
Value		Fair (11-16)	manifestation of the second	Poor (<11)	}	
Please Send this form to: Lake County Soil and Water						
Conservation District						
125 East Erie St.						
Painesville OH 44077						

			Lai	ke Coun	ty Soli and Water Conservat	ion District	
River Mile 6.2 Location Paines	Strea	m Grand F	River		Sample #		
County LAKE	To	wnshin/City	weet hi	10	Date <u>9 /13/07</u> Time	- (O) (A) is	
Monitoring Group		vvnsnip/ city_ <u>/ s</u>	1000 3000	( 2000)	Date <u>~{ / [~] @ /</u> 11me	$= \frac{1}{\sqrt{0}}$	
Monitoring Group Or Individual	St. 1	Mary's			No. of Participants_	6_	
Riffle Structure		Chemical Ana	lysis		Coliform sample taken?		
Width of Riffle		Dissolved O2 10 mg/L		<u></u>	Yes No #		
Water Depth		Acidity (pH)					
Water Temp°C or	<u>25</u> °F	Salinity (CI)		_	Results		
D 10		Ammonia		-			
Bed Composition of							
SILT SAND		GRAVEL	—, CC	BBLES	BOULDERS (>10")		
	L	(1/4"-2")	(2	"-10")	(>10")		
Descriptions of Water	r Candii	tioner T	C	. N			
Descriptions of wate	: Conun	LIONS:	Special				
			Kainl	soci I	Jarter		
MACROINV	ERTEB	RATE TALLY		Estim	ated Count A= 1 to 9	<u> </u>	
					B= 10 to		
					C = 100 c		
GROUP 1 TAXA	LTR.	GROUP 2 T	AXA	LTR	GROUP 3 TAXA	LTR.	
	Code			Code		Code	
Water Penny Larvae	4	Damselfly Nymp		A	Blackfly Larvae	#utol/wateb	
Mayfly Nymphs	A	Dragonfly Nymp	hs	distriction.	Aquatic Worms	A	
Stonefly Nymphs		Cranefly Larvae		_A	Midge Larvae		
Dobsonfly Larvae	B	Beetle Larvae		THE THE PARTY	Pouch Snails	A	
Caddisfly Larvae	<u>B</u>	Crayfish		**************************************	Leeches	#4000000)	
Riffle Beetle Adult	A	Scuds		tessiniste.			
Gill Snails — (open right)	A	Clams		***************************************			
NUMBED OF TAVA		Sow Bugs		w. Enrich St. (St. St. St. St. St. St. St. St. St. St.			
NUMBER OF TAXA	1	NUMBER OF T	AXA	2	NUMBER OF TAXA	Normal Park	
TIMES) INDEV VALUE		/TTN4EC) TNICEL				5	
(TIMES) INDEX VALUE   3	18	(TIMES) INDEX	VALUE	11	(TIMES) INDEX	3	
Cumulative	- · ·				VALUE 1		
Index		and the state of t			uality Assessment		
Value 25		Excellent (> 22)		Tenerity .			
		Fair (11-	16)		Poor (<11 )		
Please Send this t	form to:	Lake Cour	ntv Soil a	nd Wat	er		
Please Send this form to:  Lake County Soil and Water  Conservation District							
		125 East E		<del>-</del>			
		Painesvil		44077			

Lake County Soil and Water Conservation District River Mile 6.2 Stream Grand River Sample #\_\_\_\_\_ Location Pagesville Rec Park County Lake Township/City Pairesville Date 9/13/2007 Time 10:00 Monitoring Group, Garage Or Individual 5th St Mary's \_\_\_\_No. of Participants 👇 Riffle Structure **Chemical Analysis** Coliform sample taken? Width of Riffle\_\_\_\_ Dissolved O<sub>2</sub> Yes No #\_\_\_\_ Water Depth\_\_\_\_\_°C or \_\_\_\_°F Acidity (pH)\_\_\_\_\_ Salinity (CI) G. I ppm Results Ammonia Bed Composition of Riffle (must add up to 100%) SILT SAND GRAVEL COBBLES ── BOULDERS (1/4''-2'')(2"-10") (>10") **Descriptions of Water Conditions:** Special Notes: Clear, Colorlers, Octor lass MACROINVERTEBRATE TALLY **Estimated Count** A=1 to 9B = 10 to 99C= 100 or more GROUP 1 TAXA LTR. GROUP 2 TAXA LTR GROUP 3 TAXA Code Code Code Water Penny Larvae A Damselfly Nymphs \_\_\_ Blackfly Larvae Mayfly Nymphs Dragonfly Nymphs Aquatic Worms 1 Stonefly Nymphs Cranefly Larvae Midge Larvae V Dobsonfly Larvae Beetle Larvae Pouch Snails Caddisfly Larvae Crayfish Leeches Riffle Beetle Adult Scuds Gill Snails - (open right) Clams Sow Bugs NUMBER OF TAXA NUMBER OF TAXA NUMBER OF TAXA (0 (TIMES) INDEX VALUE (TIMES) INDEX VALUE (TIMES) INDEX VALUE 1 Cumulative -Stream Quality Assessment Index Excellent (> 22) Good (17-22) Value Fair (11-16) Poor (<11) Please Send this form to: Lake County Soil and Water Conservation District 125 East Erie St. Painesville OH 44077

Lake County Soil and Water Conservation District River Mile 6.2 Stream Grand River Sample #\_\_\_\_\_\_ Sample #\_\_\_\_\_ Location Rec Pack

County\_\_\_\_\_ Township/City\_\_\_\_\_ Date \_\_/\_\_/\_ Time \_\_\_\_ Monitoring Group Or Individual Myfiles Ottabo Sx Mary's No. of Participants\_\_\_\_\_ Riffle Structure **Chemical Analysis** Coliform sample taken? Width of Riffle\_\_\_\_\_ Dissolved O<sub>2</sub> Yes \_\_\_\_ No\_\_\_ #\_\_\_\_\_ Water Depth\_\_\_\_\_ Acidity (pH)\_\_\_\_\_ Water Temp \_\_\_°C or \_\_\_°F Salinity (CI) Results
Ammonia 2-3 ppm + Bed Composition of Riffle (must add up to 100%) GRAVEL COBBLES BOULDERS (2"-10") SILT SAND **Descriptions of Water Conditions:** Special Notes: \* yellow water MACROINVERTEBRATE TALLY **Estimated Count** A= 1 to 9 B = 10 to 99C= 100 or more GROUP 1 TAXA LTR. LTR | GROUP 2 TAXA **GROUP 3 TAXA** LTR. Code Code Code Water Penny Larvae Damselfly Nymphs A Blackfly Larvae Mayfly Nymphs Dragonfly Nymphs Aquatic Worms Stonefly Nymphs Cranefly Larvae A Midge Larvae Dobsonfly Larvae Beetle Larvae Pouch Snails Caddisfly Larvae Crayfish Leeches Riffle Beetle Adult Scuds Gill Snails — (open right) Clams Sow Bugs NUMBER OF TAXA NUMBER OF TAXA NUMBER OF TAXA 6 (TIMES) INDEX VALUE (TIMES) INDEX VALUE (TIMES) INDEX 10 VALUE 1 Cumulative Stream Quality Assessment Index Excellent (> 22) Good (17-22)
Fair (11-16) Poor (<11) 31 Value Please Send this form to: Lake County Soil and Water Conservation District 125 East Erie St. Painesville OH 44077

	<u>-</u>	L	ake Cour	ity Soil and Water Conservat	ion District	
1			,			
River Mile 6.2 Stream Grand River Sample #						
Location Recreation Park						
County Lake Township/City Painesville Date 9/13/07 Time 100						
Monitoring Group	' ' '	Wiship City ratifies C	1115	Date/// 1me		
Or Individual	$\bot$ $\land \land$	11.10	1 /	2.5%	16	
	1 1 7 7 1	ar A > 21 NOO		No. of Participants_		
Riffle Structure	N 1	Chemical Analysis		Coliform sample taken?		
Width of Riffle 36 ft.		Dissolved O <sub>2</sub>		Yes No #		
Marer pehrit V 1	10	Acidity (pH) 😨 🔘				
Water Temp°C or _	°F	Salinity (CI)		Results		
		Ammonia			<del></del>	
Bed Composition of	Riffle (	must add up to 100%	)			
SILT SAND		GRAVEL C		S BOULDERS A		
		(1/4"-2") (	2″-10″)	BOULDERS (>10")		
Descriptions of Wate	er Condi	tions: Specia	l Notes			
		-				
MACDOTAN	/Coten		T === 2 =			
MACROIN	EKIEB	RATE TALLY	Estim	ated Count A= 1 to 9		
				B= 10 to		
CDOLID 1 TAVA	170			C= 100 c	or more	
GROUP 1 TAXA	LTR.	GROUP 2 TAXA	LTR	GROUP 3 TAXA	LTR.	
Water Depay Lange	Code	D16 N	Code		Code	
Water Penny Larvae	7\	Damselfly Nymphs	$\perp \triangle$	Blackfly Larvae		
Mayfly Nymphs	B	Dragonfly Nymphs	b	Aquatic Worms	14	
Stonefly Nymphs		Cranefly Larvae	The state of the s		(June )	
Dobsonfly Larvae	<u> </u>	Beetle Larvae	A	Pouch Snails		
Caddisfly Larvae		Crayfish		Leeches		
Riffle Beetle Adult	***************************************	Scuds	Berramenter			
Gill Snails — (open right)	A	Clams	200			
		Sow Bugs				
NUMBER OF TAXA	ſ,	NUMBER OF TAXA		NUMBER OF TAXA		
	D		2	HOLDER OF TAXA		
(TIMES) INDEX VALUE	1/3	(TIMES) INDEX VALUE	, ,	(TIMES) INDEX		
3	17	2		VALUE 1		
			roam C	uality Assessment		
Index	1 1	Excellent (> 25	reanr Q			
Value 24		Excellent (> 22	(-)	Good (17-22)		
		Fair (11-16)		Poor (<11 )		
Please Send this f	Please Send this form to: Lake County Soil and Water					
Conservation District						
125 East Erie St.						
Painesville OH 44077						
		ramesville UT	770//			

Lake County Soil and Water Conservation District River Mile 6.2 Stream Grand River Sample #\_\_\_\_\_\_ Sample #\_\_\_\_\_ Location Rec Park County Lake Township/City Painesville Date 2 1/3/07 Time/0 Am Monitoring Group Or Individual <u>SMS 7th Grade</u> No. of Participants <u>6</u> Riffle Structure Width of Riffle Chemical Analysis Coliform sample taken? Dissolved O<sub>2</sub> Yes No #\_\_\_\_ Water Depth\_\_\_\_\_\_\_ Water Depth<u>/</u>
Water Temp <u>°C or 6</u><sup>€</sup> °F Acidity (pH) 'T Salinity (CI) Results Ammonia Bed Composition of Riffle (must add up to 100%) GRAVEL (1/4"-2") 35 COBBLES (2"-10") BOULDERS (>10") SILT 2 SAND 2 **Descriptions of Water Conditions:** Special Notes: phosphate 0.5 nitrate 1.0 Turbidity 355T4 MACROINVERTEBRATE TALLY Estimated Count A= 1 to 9 B= 10 to 99 C= 100 or more GROUP 1 TAXA LTR. LTR GROUP 2 TAXA **GROUP 3 TAXA** LTR. Code Code Code Water Penny Larvae Damselfly Nymphs A Blackfly Larvae Mayfly Nymphs Dragonfly Nymphs Aquatic Worms Stonefly Nymphs Cranefly Larvae Midge Larvae Dobsonfly Larvae Beetle Larvae Pouch Snails Caddisfly Larvae Crayfish Leeches Riffle Beetle Adult Scuds Gill Snails — (open right) Clams Sow Bugs NUMBER OF TAXA NUMBER OF TAXA NUMBER OF TAXA 2 (TIMES) INDEX VALUE (TIMES) INDEX VALUE (TIMES) INDEX VALUE 1 Stream Quality Assessment Cumulative Index Excellent (> 22) Good (17-22)
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